



MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name: 87 SUN RFG

Manufacturer Information:

Sunoco, Inc. (R&M)
Ten Penn Center
1801 Market Street
Philadelphia, Pennsylvania, 19103-1699

Product Use:

Motor Fuel

Emergency Phone Numbers:

Chemtrec (800) 424-9300
Sunoco Inc. (800) 964-8861

Information:

Product Safety Information (610) 859-1120

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Amount (Vol%)
LIGHT PETROLEUM DISTILLATE	8006-61-9	0 - 91.9
TOLUENE	108-88-3	0 - 30
XYLENE	1330-20-7	0 - 25
MTBE	1634-04-4	8 - 15
TERT-BUTYL ALCOHOL	75-65-0	0 - 10
CYCLOHEXANE	110-82-7	0 - 9
ETHYL BENZENE	100-41-4	0 - 5
1,2,4-TRIMETHYLBENZENE	95-63-6	0 - 5
N-HEXANE	110-54-3	0 - 5
NAPHTHALENE	91-20-3	0 - 5
BENZENE	71-43-2	0.1 - 2
TERT-AMYL METHYL ETHER	994-05-8	0 - 2
CUMENE	98-82-8	0 - 1

EXPOSURE GUIDELINES (SEE SECTION 15 FOR ADDITIONAL EXPOSURE LIMITS)

	CAS No.	Governing Body	Exposure Limits		
BENZENE	71-43-2	ACGIH	STEL	2.5	ppm
BENZENE	71-43-2	OSHA	STEL	5	ppm
BENZENE	71-43-2	ACGIH	TWA	0.5	ppm
BENZENE	71-43-2	OSHA	TWA	1	ppm
CUMENE	98-82-8	ACGIH	TWA	50	ppm
CUMENE	98-82-8	OSHA	TWA	50	ppm
CYCLOHEXANE	110-82-7	ACGIH	TWA	100	ppm

CYCLOHEXANE	110-82-7	OSHA	TWA	300	ppm
ETHYL BENZENE	100-41-4	ACGIH	STEL	125	ppm
ETHYL BENZENE	100-41-4	ACGIH	TWA	100	ppm
ETHYL BENZENE	100-41-4	OSHA	TWA	100	ppm
MTBE	1634-04-4	ACGIH	TWA	50	ppm
N-HEXANE	110-54-3	ACGIH	TWA	50	ppm
N-HEXANE	110-54-3	OSHA	TWA	500	ppm
NAPHTHALENE	91-20-3	ACGIH	STEL	15	ppm
NAPHTHALENE	91-20-3	ACGIH	TWA	10	ppm
NAPHTHALENE	91-20-3	OSHA	TWA	10	ppm
TERT-AMYL METHYL ETHER	994-05-8	ACGIH	TWA	20	ppm
TOLUENE	108-88-3	OSHA	C	300	ppm
TOLUENE	108-88-3	Sunoco	STEL	150	ppm
TOLUENE	108-88-3	NIOSH	STEL	150	ppm
TOLUENE	108-88-3	ACGIH	TWA	50	ppm
TOLUENE	108-88-3	OSHA	TWA	200	ppm
XYLENE	1330-20-7	ACGIH	STEL	150	ppm
XYLENE	1330-20-7	ACGIH	TWA	100	ppm
XYLENE	1330-20-7	OSHA	TWA	100	ppm
LIGHT PETROLEUM DISTILLATE	8006-61-9	ACGIH	STEL	500	ppm
LIGHT PETROLEUM DISTILLATE	8006-61-9	ACGIH	TWA	300	ppm
TERT-BUTYL ALCOHOL	75-65-0	ACGIH	TWA	100	ppm
TERT-BUTYL ALCOHOL	75-65-0	OSHA	TWA	100	ppm

3. HAZARDS IDENTIFICATION

• EMERGENCY OVERVIEW

Danger! Extremely flammable liquid and vapor. Vapors may cause flash fire or explosion. Harmful if inhaled. May produce nervous system effects, including drowsiness, dizziness, coma and even death. May cause eye irritation. May cause skin irritation. Harmful or fatal if swallowed. Pulmonary aspiration hazard. After ingestion, may enter lungs and produce damage. Contains material or materials that can cause cancer.

Hazards Ratings:

Key: 0 = least, 1 = slight, 2 = moderate, 3 = high, 4 = extreme

	<u>Health</u>	<u>Fire</u>	<u>Reactivity</u>	<u>PPI</u>
NFPA	1	3	0	
HMIS	2	4	0	X

• POTENTIAL HEALTH EFFECTS

§ PRE-EXISTING MEDICAL CONDITIONS

The following diseases or disorders may be aggravated by exposure to this product: Skin; Eye; Blood forming organs; Nervous system, Respiratory system; Lung (asthma-like conditions); Cardiovascular system,

§ INHALATION

Can cause severe central nervous system depression (including unconsciousness). May cause headaches and dizziness. Repeated excessive exposures may cause blood disorders such as anemia and leukemia. Contains a material that has been related to cancer in humans.

LC50 (mg/l): no data

LC50 (mg/m3): no data

LC50 (ppm): no data

§ SKIN

Skin absorption of material may produce systemic toxicity. May be absorbed through the skin in harmful amounts. Moderately irritating to the skin. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

Draize Skin Score: no data

Out of 8.0

LD50 (mg/kg): no data

§ **EYES**

Moderately irritating to the eyes.

§ **INGESTION**

This material may be harmful or fatal if swallowed. Irritating to mouth, throat, and stomach. Product may be harmful or fatal if swallowed. Pulmonary aspiration hazard. After ingestion, may enter lungs and produce damage.

LD50 (g/kg): no data

4. FIRST AID MEASURES

• **INHALATION**

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and continue to monitor. Get immediate medical attention.

• **SKIN**

Wash with soap and water. Get medical attention if irritation develops or persists. Wash clothing before reuse. Destroy contaminated shoes and other leather products.

• **EYES**

Flush eye with water for 15 minutes. Get medical attention. If eye irritation persists, obtain medical treatment.

• **INGESTION**

Do not induce vomiting! Do not give liquids! Get medical attention immediately.

5. FIRE FIGHTING MEASURES

• **EXTINGUISHING MEDIA**

Water spray; Regular foam; Dry chemical; Carbon dioxide;

• **FIRE FIGHTING INSTRUCTIONS**

Use water spray to cool fire exposed tanks and containers. Wear structural fire fighting gear. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

FLAMMABLE PROPERTIES

	Typical	Minimum	Maximum	Text Result	Units	Method
Flash Point				MINUS 40 EST'D	F	N/A
Autoignition Temperature				750 ESTIMATED	F	N/A
Lower Explosion Limit	1.5				%	N/A
Upper Explosion Limit	7.6				%	N/A

6. ACCIDENTAL RELEASE MEASURES

Prevent ignition, stop leak and ventilate the area. Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Vapor can be controlled using a water fog. Water streams should not be directed to the liquid as this will cause the liquid to boil and generate more vapor. Keep personnel upwind from leak. Use appropriate personal protective equipment as stated in Section 8 of this MSDS. Advise the Environmental Protection Agency (EPA) and appropriate state agencies, if required. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Vacuum or sweep up material and place in a disposal container.

7. HANDLING AND STORAGE

- **HANDLING**

Use only in a well-ventilated area. Ground and bond containers when transferring material. NFPA class 1A storage. Flash point is less than 73 degrees F and boiling point is less than 100 degrees F. Avoid breathing (dust, vapor, mist, gas). Avoid prolonged or repeated contact with skin. Avoid contact with eyes. Wash thoroughly after handling. Never siphon by mouth.

- **STORAGE**

Keep away from heat, sparks, and flame. Keep container closed when not in use. Consult NFPA and / or OSHA codes for additional information.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Consult With a Health and Safety Professional for Specific Selections

- **ENGINEERING CONTROLS**

Use with adequate ventilation. Ventilation is normally required when handling or using this product to keep exposure to airborne contaminants below the exposure limit. Use explosion-proof ventilation equipment.

- **PERSONAL PROTECTION**

- § **EYE PROTECTION**

Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent). Splash proof chemical goggles are recommended to protect against the splash of product.

- § **GLOVES or HAND PROTECTION**

The glove(s) listed below may provide protection against permeation. Gloves of other chemically resistant materials may not provide adequate protection. Protective gloves are recommended to protect against contact with product. Polyethylene; Neoprene; Nitrile; Polyvinyl alcohol; Viton;

- § **RESPIRATORY PROTECTION**

Concentration in air determines the level of respiratory protection needed. Use only NIOSH certified respiratory equipment. Half-mask air purifying respirator with organic vapor cartridges is acceptable for exposures to ten (10) times the exposure limit. Full-face air purifying respirator with organic vapor cartridges is acceptable for exposures to fifty (50) times the exposure limit. Exposure should not exceed the cartridge limit of 1000 ppm. Protection by air purifying respirators is limited. Use a positive pressure-demand full-face supplied air respirator or SCBA for exposures greater than fifty (50) times the exposure limit. If exposure is above the IDLH (Immediately Dangerous to Life and Health) or there is the possibility of an uncontrolled release, or exposure levels are unknown, then use a positive pressure-demand full-face supplied air respirator with escape bottle or SCBA. Wear a NIOSH-approved (or equivalent) full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

- § **OTHER**

Where splashing is possible, full chemically resistant protective clothing (e.g., acid suit) and boots are required. The following materials are acceptable for use as protective clothing: Polyethylene; Polyvinyl alcohol (PVA); Polyvinyl chloride (PVC); Neoprene; Nitrile; Viton; Polyurethane; Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Remove contaminated clothing and wash before reuse. For non-fire emergencies, positive pressure SCBA and structural firefighter's protective clothing will provide only limited protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Property	Typical	Units	Text Result	Reference
Appearance		N/A	RED LIQUID	
Boiling Point		F	<100-430	
Bulk Density		lb/gal	no data	
Melting Point		F	no data	
Molecular Weight		g/mole	no data	
Octanol/Water Coefficient		N/A	no data	
pH		N/A	no data	

Specific Gravity	0.74	N/A		
Solubility In Water		wt %	NIL TO 15%	
Odor		N/A	GASOLINE ODOR.	
Odor Threshold		ppm	< 1	
Vapor Pressure		mmHg	325-525	@ 20 C
Viscosity (F)		SUS	no data	
Viscosity (C)		CsT	no data	
% Volatile	100	wt %		

10. STABILITY AND REACTIVITY

- **STABILITY**
Stable
- **CONDITIONS TO AVOID**
Avoid heat, sparks and open flame.
- **INCOMPATIBILITY**
Strong oxidizers
- **HAZARDOUS DECOMPOSITION PRODUCTS**
Combustion may produce carbon monoxide, carbon dioxide and other asphyxiants.
- **HAZARDOUS POLYMERIZATION**
Will not polymerize.

11. ECOLOGICAL INFORMATION

Gasoline spills are toxic to fish and aquatic flora.

12. DISPOSAL CONSIDERATIONS

Follow federal, state and local regulations. This material is a RCRA hazardous waste. Do not flush material to drain or storm sewer. Contract to authorized disposal service.

13. TRANSPORT INFORMATION

<u>Governing Body</u>	<u>Mode</u>	<u>Proper Shipping Name</u>
DOT	Ground	Gasoline

<u>Governing Body</u>	<u>Mode</u>	<u>Hazard Class</u>	<u>UN/NA No.</u>	<u>Label</u>
DOT	Ground	3 (Flammable liquid)	1203	Flammable Liquid

14. REGULATORY INFORMATION

<u>Regulatory List</u>	<u>Component</u>	<u>CAS No.</u>
ACGIH - Occupational Exposure Limits - Carcinogens	BENZENE	71-43-2
ACGIH - Occupational Exposure Limits - Carcinogens	ETHYL BENZENE	100-41-4
ACGIH - Occupational Exposure Limits - Carcinogens	MTBE	1634-04-4
ACGIH - Occupational Exposure Limits - Carcinogens	NAPHTHALENE	91-20-3
ACGIH - Occupational Exposure Limits - Carcinogens	TERT-BUTYL ALCOHOL	75-65-0
ACGIH - Occupational Exposure Limits - Carcinogens	TOLUENE	108-88-3
ACGIH - Occupational Exposure Limits - Carcinogens	XYLENE	1330-20-7
ACGIH - Occupational Exposure Limits - TWAs	BENZENE	71-43-2
ACGIH - Occupational Exposure Limits - TWAs	CUMENE	98-82-8
ACGIH - Occupational Exposure Limits - TWAs	CYCLOHEXANE	110-82-7

ACGIH - Occupational Exposure Limits - TWAs
 ACGIH - Occupational Exposure Limits - TWAs
 ACGIH - Occupational Exposure Limits - TWAs
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ACGIH - Occupational Exposure Limits - TWAs
 ACGIH - Occupational Exposure Limits - TWAs
 ACGIH - Occupational Exposure Limits - TWAs
 ACGIH - Short Term Exposure Limits
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ACGIH - Short Term Exposure Limits
 ACGIH - Short Term Exposure Limits
 ACGIH - Skin Absorption Designation
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CAA (Clean Air Act) - HON Rule - Organic HAPs
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CAA - 1990 Hazardous Air Pollutants
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California - Prop. 65 - Developmental Toxicity
 California - Prop. 65 - Developmental Toxicity
 California - Prop. 65 - Reproductive - Male
 California - Proposition 65 - Carcinogens List
 California - Proposition 65 - Carcinogens List

Canada - WHMIS - Ingredient Disclosure
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 CERCLA/SARA - Haz Substances and their RQs
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ETHYL BENZENE	100-41-4
MTBE	1634-04-4
N-HEXANE	110-54-3
NAPHTHALENE	91-20-3
TERT-AMYL METHYL ETHER	994-05-8
TERT-BUTYL ALCOHOL	75-65-0
TOLUENE	108-88-3
XYLENE	1330-20-7
BENZENE	71-43-2
ETHYL BENZENE	100-41-4
LIGHT PETROLEUM DISTILLATE	8006-61-9
NAPHTHALENE	91-20-3
XYLENE	1330-20-7
BENZENE	71-43-2
N-HEXANE	110-54-3
NAPHTHALENE	91-20-3
TOLUENE	108-88-3
BENZENE	71-43-2
CUMENE	98-82-8
ETHYL BENZENE	100-41-4
MTBE	1634-04-4
N-HEXANE	110-54-3
NAPHTHALENE	91-20-3
TOLUENE	108-88-3
XYLENE	1330-20-7
BENZENE	71-43-2
CUMENE	98-82-8
CYCLOHEXANE	110-82-7
ETHYL BENZENE	100-41-4
MTBE	1634-04-4
N-HEXANE	110-54-3
NAPHTHALENE	91-20-3
TOLUENE	108-88-3
XYLENE	1330-20-7
BENZENE	71-43-2
CUMENE	98-82-8
ETHYL BENZENE	100-41-4
MTBE	1634-04-4
N-HEXANE	110-54-3
NAPHTHALENE	91-20-3
TOLUENE	108-88-3
XYLENE	1330-20-7
BENZENE	71-43-2
TOLUENE	108-88-3
BENZENE	71-43-2
BENZENE	71-43-2
NAPHTHALENE	91-20-3
1,2,4-TRIMETHYLBENZENE	95-63-6
BENZENE	71-43-2
CUMENE	98-82-8
CYCLOHEXANE	110-82-7
ETHYL BENZENE	100-41-4
LIGHT PETROLEUM DISTILLATE	8006-61-9
N-HEXANE	110-54-3
NAPHTHALENE	91-20-3
TERT-BUTYL ALCOHOL	75-65-0
TOLUENE	108-88-3
BENZENE	71-43-2
BENZENE	71-43-2

CERCLA/SARA - Haz Substances and their RQs
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 CWA (Clean Water Act) - Hazardous Substances
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 CWA (Clean Water Act) - Hazardous Substances
 CWA (Clean Water Act) - Priority Pollutants
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 CWA (Clean Water Act) - Priority Pollutants
 CWA (Clean Water Act) - Priority Pollutants
 CWA (Clean Water Act) - Toxic Pollutants
 CWA (Clean Water Act) - Toxic Pollutants
 CWA (Clean Water Act) - Toxic Pollutants
 CWA (Clean Water Act) - Toxic Pollutants
 IARC - Group 1 (carcinogenic to humans)
 IARC - Group 2B (Possibly carcinogenic to humans)
 IARC - Group 2B (Possibly carcinogenic to humans)

IARC - Group 2B (Possibly carcinogenic to humans)
 IARC - Group 3 (not classifiable)
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CUMENE	98-82-8
CUMENE	98-82-8
CYCLOHEXANE	110-82-7
CYCLOHEXANE	110-82-7
ETHYL BENZENE	100-41-4
ETHYL BENZENE	100-41-4
MTBE	1634-04-4
MTBE	1634-04-4
N-HEXANE	110-54-3
N-HEXANE	110-54-3
NAPHTHALENE	91-20-3
NAPHTHALENE	91-20-3
TOLUENE	108-88-3
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XYLENE	1330-20-7
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1,2,4-TRIMETHYLBENZENE	95-63-6
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MTBE	1634-04-4
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NAPHTHALENE	91-20-3
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Inventory - Canada - Domestic Substances List
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ETHYL BENZENE	100-41-4
LIGHT PETROLEUM	8006-61-9
DISTILLATE	
MTBE	1634-04-4

Inventory - Korea - Existing and Evaluated	N-HEXANE	110-54-3
Inventory - Korea - Existing and Evaluated	NAPHTHALENE	91-20-3
Inventory - Korea - Existing and Evaluated	TERT-AMYL METHYL ETHER	994-05-8
Inventory - Korea - Existing and Evaluated	TERT-BUTYL ALCOHOL	75-65-0
Inventory - Korea - Existing and Evaluated	TOLUENE	108-88-3
Inventory - Korea - Existing and Evaluated	XYLENE	1330-20-7
Inventory - Philippines Inventory (PICCS)	1,2,4-TRIMETHYLBENZENE	95-63-6
Inventory - Philippines Inventory (PICCS)	BENZENE	71-43-2
Inventory - Philippines Inventory (PICCS)	CUMENE	98-82-8
Inventory - Philippines Inventory (PICCS)	CYCLOHEXANE	110-82-7
Inventory - Philippines Inventory (PICCS)	ETHYL BENZENE	100-41-4
Inventory - Philippines Inventory (PICCS)	LIGHT PETROLEUM DISTILLATE	8006-61-9
Inventory - Philippines Inventory (PICCS)	MTBE	1634-04-4
Inventory - Philippines Inventory (PICCS)	N-HEXANE	110-54-3
Inventory - Philippines Inventory (PICCS)	NAPHTHALENE	91-20-3
Inventory - Philippines Inventory (PICCS)	TERT-AMYL METHYL ETHER	994-05-8
Inventory - Philippines Inventory (PICCS)	TERT-BUTYL ALCOHOL	75-65-0
Inventory - Philippines Inventory (PICCS)	TOLUENE	108-88-3
Inventory - Philippines Inventory (PICCS)	XYLENE	1330-20-7
Inventory - TSCA - Sect. 8(b) Inventory	1,2,4-TRIMETHYLBENZENE	95-63-6
Inventory - TSCA - Sect. 8(b) Inventory	BENZENE	71-43-2
Inventory - TSCA - Sect. 8(b) Inventory	CUMENE	98-82-8
Inventory - TSCA - Sect. 8(b) Inventory	CYCLOHEXANE	110-82-7
Inventory - TSCA - Sect. 8(b) Inventory	ETHYL BENZENE	100-41-4
Inventory - TSCA - Sect. 8(b) Inventory	LIGHT PETROLEUM DISTILLATE	8006-61-9
Inventory - TSCA - Sect. 8(b) Inventory	MTBE	1634-04-4
Inventory - TSCA - Sect. 8(b) Inventory	N-HEXANE	110-54-3
Inventory - TSCA - Sect. 8(b) Inventory	NAPHTHALENE	91-20-3
Inventory - TSCA - Sect. 8(b) Inventory	TERT-AMYL METHYL ETHER	994-05-8
Inventory - TSCA - Sect. 8(b) Inventory	TERT-BUTYL ALCOHOL	75-65-0
Inventory - TSCA - Sect. 8(b) Inventory	TOLUENE	108-88-3
Inventory - TSCA - Sect. 8(b) Inventory	XYLENE	1330-20-7
Massachusetts - Right To Know List	1,2,4-TRIMETHYLBENZENE	95-63-6
Massachusetts - Right To Know List	BENZENE	71-43-2
Massachusetts - Right To Know List	CUMENE	98-82-8
Massachusetts - Right To Know List	CYCLOHEXANE	110-82-7
Massachusetts - Right To Know List	ETHYL BENZENE	100-41-4
Massachusetts - Right To Know List	LIGHT PETROLEUM DISTILLATE	8006-61-9
Massachusetts - Right To Know List	MTBE	1634-04-4
Massachusetts - Right To Know List	N-HEXANE	110-54-3
Massachusetts - Right To Know List	NAPHTHALENE	91-20-3
Massachusetts - Right To Know List	TERT-BUTYL ALCOHOL	75-65-0
Massachusetts - Right To Know List	TOLUENE	108-88-3
Massachusetts - Right To Know List	XYLENE	1330-20-7
New Jersey - Department of Health RTK List	1,2,4-TRIMETHYLBENZENE	95-63-6
New Jersey - Department of Health RTK List	BENZENE	71-43-2
New Jersey - Department of Health RTK List	CUMENE	98-82-8
New Jersey - Department of Health RTK List	CYCLOHEXANE	110-82-7
New Jersey - Department of Health RTK List	ETHYL BENZENE	100-41-4
New Jersey - Department of Health RTK List	LIGHT PETROLEUM DISTILLATE	8006-61-9
New Jersey - Department of Health RTK List	MTBE	1634-04-4
New Jersey - Department of Health RTK List	N-HEXANE	110-54-3
New Jersey - Department of Health RTK List	NAPHTHALENE	91-20-3
New Jersey - Department of Health RTK List	TERT-BUTYL ALCOHOL	75-65-0
New Jersey - Department of Health RTK List	TOLUENE	108-88-3

New Jersey - Department of Health RTK List	XYLENE	1330-20-7
New Jersey - Env Hazardous Substances List	CYCLOHEXANE	110-82-7
New Jersey - Env Hazardous Substances List	ETHYL BENZENE	100-41-4
New Jersey - Env Hazardous Substances List	N-HEXANE	110-54-3
New Jersey - Env Hazardous Substances List	TOLUENE	108-88-3
New Jersey - Env Hazardous Substances List	XYLENE	1330-20-7
New Jersey - Special Hazardous Substances	BENZENE	71-43-2
New Jersey - Special Hazardous Substances	CUMENE	98-82-8
New Jersey - Special Hazardous Substances	CYCLOHEXANE	110-82-7
New Jersey - Special Hazardous Substances	ETHYL BENZENE	100-41-4
New Jersey - Special Hazardous Substances	LIGHT PETROLEUM	8006-61-9
	DISTILLATE	
New Jersey - Special Hazardous Substances	N-HEXANE	110-54-3
New Jersey - Special Hazardous Substances	TERT-BUTYL ALCOHOL	75-65-0
New Jersey - Special Hazardous Substances	TOLUENE	108-88-3
New Jersey - Special Hazardous Substances	XYLENE	1330-20-7
NTP - Report on Carcinogens - Known Carcinogens	BENZENE	71-43-2
OSHA - Final PELs - Ceiling Limits	BENZENE	71-43-2
OSHA - Final PELs - Ceiling Limits	TOLUENE	108-88-3
OSHA - Final PELs - Skin Notations	CUMENE	98-82-8
OSHA - Final PELs - Time Weighted Averages	BENZENE	71-43-2
OSHA - Final PELs - Time Weighted Averages	CUMENE	98-82-8
OSHA - Final PELs - Time Weighted Averages	CYCLOHEXANE	110-82-7
OSHA - Final PELs - Time Weighted Averages	ETHYL BENZENE	100-41-4
OSHA - Final PELs - Time Weighted Averages	N-HEXANE	110-54-3
OSHA - Final PELs - Time Weighted Averages	NAPHTHALENE	91-20-3
OSHA - Final PELs - Time Weighted Averages	TERT-BUTYL ALCOHOL	75-65-0
OSHA - Final PELs - Time Weighted Averages	TOLUENE	108-88-3
OSHA - Final PELs - Time Weighted Averages	XYLENE	1330-20-7
OSHA - Regulated Carcinogens	BENZENE	71-43-2
OSHA - Select Carcinogens	BENZENE	71-43-2
Pennsylvania - RTK (Right to Know) List	1,2,4-TRIMETHYLBENZENE	95-63-6
Pennsylvania - RTK (Right to Know) List	BENZENE	71-43-2
Pennsylvania - RTK (Right to Know) List	CUMENE	98-82-8
Pennsylvania - RTK (Right to Know) List	CYCLOHEXANE	110-82-7
Pennsylvania - RTK (Right to Know) List	ETHYL BENZENE	100-41-4
Pennsylvania - RTK (Right to Know) List	MTBE	1634-04-4
Pennsylvania - RTK (Right to Know) List	N-HEXANE	110-54-3
Pennsylvania - RTK (Right to Know) List	NAPHTHALENE	91-20-3
Pennsylvania - RTK (Right to Know) List	TERT-BUTYL ALCOHOL	75-65-0
Pennsylvania - RTK (Right to Know) List	TOLUENE	108-88-3
Pennsylvania - RTK (Right to Know) List	XYLENE	1330-20-7
Pennsylvania - RTK - Special Hazardous Substances	BENZENE	71-43-2
TSCA - Sect. 12(b) - Export Notification	CYCLOHEXANE	110-82-7
TSCA - Sect. 12(b) - Export Notification	MTBE	1634-04-4
TSCA - Sect. 12(b) - Export Notification	N-HEXANE	110-54-3
TSCA - Sect. 12(b) - Export Notification	TERT-AMYL METHYL	994-05-8
	ETHER	
TSCA - Section 8(a) - PAIR Reporting List	NAPHTHALENE	91-20-3
TSCA - Section 8(a) - PAIR Reporting List	TERT-AMYL METHYL	994-05-8
	ETHER	
TSCA - Section 8(a) - PAIR Reporting List	TERT-BUTYL ALCOHOL	75-65-0

Title III Classifications Sections 311,312:

- Acute: **YES**
- Chronic: **YES**
- Fire: **YES**
- Reactivity: **NO**
- Sudden Release of Pressure: **NO**

15. OTHER INFORMATION

Precautionary labeling for pumps, portable containers, and drums is required. A "hazardous when empty" pictogram and D.O.T. flammable liquid label are also required for drums. Details available upon request. Because benzene is present in this product above 0.1%, the Osha Standard for benzene is applicable to work locations upstream of final discharge from terminals. Consult 29CFR1910.1028 for details. Prolonged and repeated excessive exposures to benzene can result in blood disorders ranging from anemia to leukemia. Sun recommends that exposures to benzene be kept below 1.0 ppm for 8-hours; 5.0 ppm for 15-min. Normal service station operations are below these values. For use as motor fuel only. Do not use for any other purpose. Catecholamines and similar adrenergic drugs are generally contraindicated because of potential for increased sensitivity of the heart from hydrocarbon overexposure and subsequent ventricular fibrillation. EKG monitoring may be indicated and bronchodilators should be selected with care. Following injection, prompt debridement of the wound is necessary to minimize necrosis and tissue loss. COMPONENT TOXICITY: Overexposure to naphthalene, a minor component of this product, may cause skin, eye and respiratory tract irritation, anemia, loss of vision, nervous system effects and kidney and thymus damage. Also, exposure to naphthalene has produced "respiratory tract" tumors in laboratory animals..